Ħ R. V. BOOTH 2 Serial No. 10/813,291 Ryan, Mason & Lewis, LLP; W. L. Ellenbogen (516) 759-2722 MAY 2 4 2004 1/2 VCO\_OUT - 206 RANGE 000 VOLTAGE OUTPUT 黑 (224 RST\_VC0 7 104 LOOP FILTER GMCREF — ~ 220 VOLTAGE-CONTROLLED Rf 716 **OSCILLATOR** 208 ( CHARGE-PUMP . 102 PHASE DETECTOR N N N O FREQUENCY OUTPUT SIGNAL PHASE-FREQUENCY DETECTOR FIG. 1 疑 땶 REFERENCE DIVIDER

POST-VCO Vout

FEEDBACK DIVIDER



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FIG. 3A

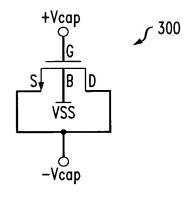


FIG. 3B

